The figures published in this report are reflective of the relevant segment of the industry. In accordance with SPI policy and regulations of the Committee on Resin Statistics, figures will not be published which tend to identify, directly or indirectly, a participant's individual data. Any figures withheld to avoid disclosure are identified by the letter "D" at the applicable line or space of the report. A line will be identified by a "D" if one company has more than 65% of that line, or if there are less than four companies reporting on that line.

PART 300/400
NON-PART 400/500

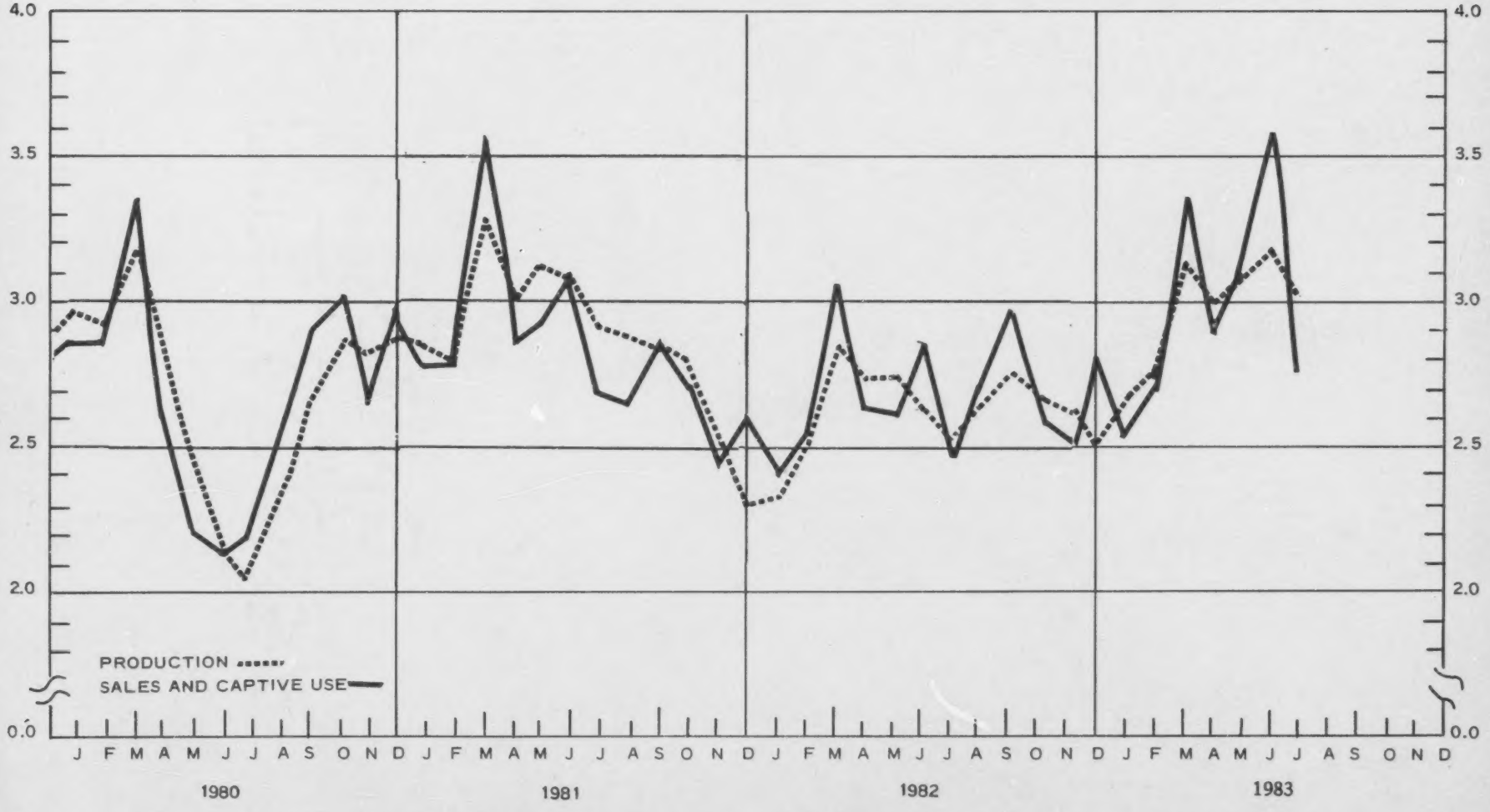
# MONTHLY STATISTICAL REPORT

## THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

## PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(In billion of pounds)

JULY, 1983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PRODUCTION
SALES AND CAPTIVE USE
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1980
1981
1982
1983

COMPILED BY ERNST & WHINNEY, NEW YORK, N. Y. FOR SPI'S COMMITTEE ON RESIN STATISTICS (CRS).

SPI

CRS

## SECTION I
## MONTHLY STATISTICAL REPORT
## THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis) (1)

JULY 1983

| RESIN KIND | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JULY | | | YEAR-TO-DATE | | | JULY | | | YEAR-TO-DATE | | |
| | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE |
| EPOXY RESINS, TOTAL | 25,498 | 23,063 | +10.6 | 185,479R | 188,159 | -1.4 | 23,286 | 14,229 | +63.7 | 196,815R | 170,166 | +15.7 |
| POLYESTER *(UNSATURATED)* RESINS, TOTAL | 81,308 | 67,559 | +20.4 | 607,692R | 514,375 | +18.1 | 86,107 | 70,162 | +22.7 | 617,051R | 521,160 | +18.4 |
| UREA RESINS, TOTAL | 92,835 | 87,918 | +5.6 | 672,819 | 560,904 | +20.0 | 92,884 | 89,981 | +3.2 | 676,420 | 575,290 | +17.6 |
| MELAMINE RESINS, TOTAL | 13,733 | 12,934 | +6.2 | 101,936 | 90,969 | +12.1 | 14,555 | 11,509 | +26.5 | 103,646 | 93,504 | +10.8 |
| PHENOLIC & OTHER TAR ACID RESINS, TOTAL | 208,818 | 169,723 | +23.0 | 1,420,025R | 1,161,627 | +22.2 | 203,162 | 162,544 | +25.0 | 1,388,552R | 1,127,513 | +23.2 |
| THERMOSETTING RESINS, TOTAL | 422,192 | 361,197 | +16.9 | 2,987,951R | 2,516,034 | +18.8 | 419,994 | 348,425 | +20.5 | 2,982,484R | 2,487,633 | +19.9 |
| LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL | 585,661 | 613,166 | -4.5 | 4,505,009 | 4,317,930 | +4.3 | 678,873 | 637,836 | +6.4 | 4,630,770R | 4,302,906 | +7.6 |
| HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL | 449,719 | 393,161 | +14.4 | 3,182,079 | 2,814,610 | +13.1 | 505,332 | 414,751 | +21.8 | 3,234,066R | 2,865,708 | +12.9 |
| POLYPROPYLENE, TOTAL | 325,008 | 265,357 | +22.5 | 2,466,084R | 2,107,349 | +17.0 | 368,863 | 260,896 | +41.4 | 2,492,891R | 2,021,694 | +23.3 |
| ACRYLONITRILE-BUTADIENE-STYRENE *(ABS)* RESINS, TOTAL | D | D | | D | D | | D | D | | D | D | |
| STYRENE-ACRYLONITRILE *(SAN)* RESINS, TOTAL | 6,930 | 7,386 | -6.2 | 51,978 | 49,804 | +4.4 | 8,615 | 5,579 | +54.4 | 55,196 | 59,200 | -6.8 |
| OTHER STYRENE BASED POLYMERS, TOTAL *40% or more styrene* (3) | 95,270 | 69,140 | +37.8 | 680,198R | 515,212 | +32.0 | 84,659 | 83,174 | +1.8 | 659,817R | 513,967 | +28.4 |
| POLYSTYRENE, TOTAL | 263,445 | 258,939 | +1.7 | 2,026,902R | 1,855,020 | +9.3 | 284,267 | 274,551 | +3.5 | 1,980,084R | 1,843,174 | +7.4 |
| STYRENE BUTADIENE LATEXES, TOTAL *Carboxylated, 45% styrene content and over.* | D | D | | D | D | | D | D | | D | D | |
| OTHER STYRENE BASED LATEXES, TOTAL *50% or more styrene including styrene butadiene latexes not carboxylated* (4) | 51,978 | 38,786 | +34.0 | 384,245R | 285,892 | +34.4 | 52,121 | 35,944 | +45.0 | 396,229 | 286,392 | +38.4 |
| NYLON RESINS, TOTAL | 25,807 | 20,341 | +26.9 | 178,397 | 151,680 | +17.6 | 23,445 | 20,393 | +15.0 | 169,169 | 140,083 | +20.8 |
| POLYVINYL CHLORIDE & COPOLYMERS - *(DRY RESIN CONTENT),* TOTAL | 407,385 | 358,198 | +13.7 | 3,662,784R | 3,214,885 | +13.9 | 508,045 | 371,004 | +36.9 | 3,582,897 | 3,114,239 | +15.0 |
| VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL | 53,067 | 45,161 | +17.5 | 399,372R | 332,632 | +20.1 | * 53,067 | * 45,161 | +17.5 | * 399,372R | * 332,632 | +20.1 |
| POLYVINYL ALCOHOL, TOTAL # | 11,146 | D | | 78,493 | D | | 14,325 | D | | 74,380 | D | |
| OTHER VINYL RESINS, TOTAL | 13,537 | 14,129 | -4.2 | 97,535 | 102,072 | -4.4 | 13,331 | 13,913 | -4.2 | 114,156R | 108,286 | +5.4 |
| THERMOPLASTIC POLYESTER, TOTAL | 64,405 | 52,723 | +22.2 | 427,608R | 368,795 | +15.9 | 70,100 | 54,156 | +29.4 | 429,308R | 390,738 | +9.9 |
| THERMOPLASTIC RESINS, TOTAL | 2,353,358 | 2,136,487 | +10.2 | 18,140,684R | 16,115,881 | +12.6 | 2,665,043 | 2,217,358 | +20.2 | 18,218,435R | 15,979,019 | +14.0 |
| GRAND TOTAL | 2,775,550 | 2,497,684 | +11.1 | 21,128,635R | 18,631,915 | +13.4 | 3,085,037 | 2,565,783 | +20.2 | 21,200,919R | 18,466,652 | +14.8 |

COMPILED BY ERNST & WHINNEY, NEW YORK, N. Y. FOR SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

(1) *Except phenolic resins which are reported on a gross weight basis.*

D = Disclosure
R = Revision
(3) = Includes ABS
(4) = Includes Styrene Butadiene Latexes
# = Includes imputed data

* = *These data equal that reported for Sales & Captive Use to more closely represent the ratio between Total Production and Total Sales & Captive Use. Actual Production of PVAc is significantly higher than that shown here.*

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SPI

## SECTION I
## MONTHLY STATISTICAL REPORT
## THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In metric tons, dry weight basis) (1)

CRS

JULY 1983

| RESIN KIND | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JULY | | | YEAR-TO-DATE | | | JULY | | | YEAR-TO-DATE | | |
| | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE |
| EPOXY RESINS, TOTAL | 11,566 | 10,461 | +10.6 | 84,133R | 85,348 | -1.4 | 10,562 | 6,454 | +63.7 | 89,275R | 77,187 | +15.7 |
| POLYESTER *(UNSATURATED)* RESINS, TOTAL | 36,881 | 30,644 | +20.4 | 275,647R | 233,319 | +18.1 | 39,058 | 31,825 | +22.7 | 279,892R | 236,397 | +18.4 |
| UREA RESINS, TOTAL | 42,110 | 39,879 | +5.6 | 305,189 | 254,424 | +20.0 | 42,132 | 40,815 | +3.2 | 306,822 | 260,950 | +17.6 |
| MELAMINE RESINS, TOTAL | 6,229 | 5,867 | +6.2 | 46,238 | 41,263 | +12.1 | 6,602 | 5,220 | +26.5 | 47,014 | 42,413 | +10.8 |
| PHENOLIC & OTHER TAR ACID RESINS, TOTAL | 94,719 | 76,986 | +23.0 | 644,119R | 526,911 | +22.2 | 92,154 | 73,729 | +25.0 | 629,843R | 511,437 | +23.2 |
| THERMOSETTING RESINS, TOTAL | 191,505 | 163,837 | +16.9 | 1,355,326R | 1,141,265 | +18.8 | 190,508 | 158,043 | +20.5 | 1,352,846R | 1,128,384 | +19.9 |
| LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL | 265,654 | 278,130 | -4.5 | 2,043,459 | 1,958,600 | +4.3 | 307,935 | 289,321 | +6.4 | 2,100,503R | 1,951,785 | +7.6 |
| HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL | 203,991 | 178,337 | +14.4 | 1,443,382 | 1,276,699 | +13.1 | 229,217 | 188,130 | +21.8 | 1,466,963R | 1,299,877 | +12.9 |
| POLYPROPYLENE, TOTAL | 147,423 | 120,365 | +22.5 | 1,118,608R | 955,887 | +17.0 | 167,315 | 118,342 | +41.4 | 1,130,768R | 917,034 | +23.3 |
| ACRYLONITRILE-BUTADIENE-STYRENE *(ABS)* RESINS, TOTAL | D | D | | D | D | | D | D | | D | D | |
| STYRENE-ACRYLONITRILE *(SAN)* RESINS, TOTAL | 3,143 | 3,350 | -6.2 | 23,577 | 22,591 | +4.4 | 3,908 | 2,531 | +54.4 | 25,037 | 26,853 | -6.8 |
| OTHER STYRENE BASED POLYMERS, TOTAL *40% or more styrene* (3) | 43,214 | 31,362 | +37.8 | 308,536R | 233,699 | +32.0 | 38,401 | 37,727 | +1.8 | 299,291R | 233,134 | +28.4 |
| POLYSTYRENE, TOTAL | 119,498 | 117,454 | +1.7 | 919,396R | 841,432 | +9.3 | 128,943 | 124,536 | +3.5 | 898,160R | 836,058 | +7.4 |
| STYRENE BUTADIENE LATEXES, TOTAL *Carboxylated, 45% styrene content and over.* | D | D | | D | D | | D | D | | D | D | |
| OTHER STYRENE BASED LATEXES, TOTAL *50% or more styrene including styrene butadiene latexes not carboxylated* (4) | 23,577 | 17,593 | +34.0 | 174,292R | 129,680 | +34.4 | 23,642 | 16,304 | +45.0 | 179,774 | 129,907 | +38.4 |
| NYLON RESINS, TOTAL | 11,706 | 9,227 | +26.9 | 80,920 | 68,802 | +17.6 | 10,635 | 9,250 | +15.0 | 76,735 | 63,541 | +20.8 |
| POLYVINYL CHLORIDE & COPOLYMERS - *(DRY RESIN CONTENT)*, TOTAL | 184,789 | 162,478 | +13.7 | 1,661,428R | 1,458,262 | +13.9 | 230,448 | 168,286 | +36.9 | 1,625,191 | 1,412,610 | +15.0 |
| VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL | 24,071 | 20,485 | +17.5 | 181,154R | 150,881 | +20.1 | * 24,071 | * 20,485 | +17.5 | * 181,154R | * 150,881 | +20.1 |
| POLYVINYL ALCOHOL, TOTAL # | 5,056 | D | | 35,604 | D | | 6,498 | D | | 33,739 | D | |
| OTHER VINYL RESINS, TOTAL | 6,140 | 6,409 | -4.2 | 44,242 | 46,300 | -4.4 | 6,047 | 6,311 | -4.2 | 51,781R | 49,118 | +5.4 |
| THERMOPLASTIC POLYESTER, TOTAL | 29,214 | 23,915 | +22.2 | 193,962R | 167,284 | +15.9 | 31,797 | 24,565 | +29.4 | 194,733R | 177,238 | +9.9 |
| THERMOPLASTIC RESINS, TOTAL | 1,067,476 | 969,105 | +10.2 | 8,228,560R | 7,310,117 | +12.6 | 1,208,857 | 1,005,788 | +20.2 | 8,263,829R | 7,248,036 | +14.0 |
| GRAND TOTAL | 1,258,981 | 1,132,942 | +11.1 | 9,583,886R | 8,451,382 | +13.4 | 1,399,365 | 1,163,831 | +20.2 | 9,616,675R | 8,376,420 | +14.8 |

*For the purpose of this table, one metric ton equals 2,204.6 pounds. On a monthly basis, the calculation of metric tons from thousands of pounds may not agree precisely due to rounding.*

D = Disclosure
R = Revision
(3) = Includes ABS

(1) *Except phenolic resins which are reported on a gross weight basis.*

(4) = Includes Styrene Butadiene Latexes

\# = Includes imputed data

* = *These data equal that reported for Sales & Captive Use to more closely represent the ratio between Total Production and Total Sales & Captive Use. Actual Production of PVAc is significantly higher than that shown here.*



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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

## THERMOSETTING RESINS

JULY 1983

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JULY | | | YEAR-TO-DATE | | | JULY | | | YEAR-TO-DATE | | |
| | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE |
| **EPOXY RESINS, TOTAL** | 25,498 | 23,063 | +10.6 | 185,479R | 188,159 | -1.4 | 23,286 | 14,229 | +63.7 | 196,815R | 170,166 | +15.7 |
| Total Exports | 2,526 | 2,678 | -5.7 | 19,719 | 23,847 | -17.3 | | | | | | |
| Total Domestic | 22,972 | 20,385 | +12.7 | 165,760R | 164,312 | +0.9 | | | | | | |
| Bonding & Adhesives | 1,270 | 1,027 | +23.7 | 9,616 | 9,888 | -2.8 | | | | | | |
| Flooring, Paving & Exposed Aggregate | 1,345 | 1,516 | -11.3 | 10,167 | 11,294 | -10.0 | | | | | | |
| Protective Coatings | 10,675 | 9,939 | +7.4 | 73,857 | 77,190 | -4.3 | | | | | | |
| Fiber Reinforced Laminates & Composites, Total | 4,704 | 4,241 | +10.9 | 37,377R | 35,714 | +4.7 | | | | | | |
| FRL & C for Printed Wiring Board | 3,544 | * | | 26,527R | * | | | | | | | |
| All Other FRL & C | 1,160 | * | | 10,850 | * | | | | | | | |
| Tooling, Casting & Molding Resins | 2,094 | 1,689 | +24.0 | 15,347R | 15,414 | -0.4 | | | | | | |
| All Other Uses | 2,884 | 1,973 | +46.2 | 19,396R | 14,812 | +30.9 | | | | | | |
| **POLYESTER *(UNSATURATED)* RESINS, TOTAL** | 81,308 | 67,559 | +20.4 | 607,692R | 514,375 | +18.1 | 86,107 | 70,162 | +22.7 | 617,051R | 521,160 | +18.4 |
| Exports, Total | 900 | 652 | +38.0 | 6,107 | 5,337 | +14.4 | | | | | | |
| Domestic, Total | 80,408 | 66,907 | +20.2 | 601,585R | 509,038 | +18.2 | | | | | | |
| General Purpose Resins, Total | 71,702 | 58,039 | +23.5 | 537,083R | 447,858 | +19.9 | | | | | | |
| General Purpose – Thixotropic | 34,953 | 26,641 | +31.2 | 251,067R | 203,978 | +23.1 | | | | | | |
| General Purpose – Press Molding | 10,336 | 6,578 | +57.1 | 75,624R | 54,550 | +38.6 | | | | | | |
| General Purpose – All Other | 26,413 | 24,820 | +6.4 | 210,392R | 189,330 | +11.1 | | | | | | |
| Flame Retardant Resins | 1,244 | 1,540 | -19.2 | 11,155R | 11,932 | -6.5 | | | | | | |
| Chemical Resistant Resins | 7,462 | 7,328 | +1.8 | 53,347R | 49,248 | +8.3 | | | | | | |
| Chemical Resistant Isophthalic Resins | 5,176 | 5,482 | -5.6 | 36,086R | 33,580 | +7.5 | | | | | | |
| All Other Chemical Resistant Resins | 2,286 | 1,846 | +23.8 | 17,261 | 15,668 | +10.2 | | | | | | |
| Reinforced Plastics, Total | 62,869 | 50,035 | +25.7 | 466,525R | 382,042 | +22.1 | | | | | | |
| Non-Reinforced Plastics, Total | 17,539 | 16,872 | +4.0 | 135,060R | 126,996 | +6.3 | | | | | | |

COMPILED BY ERNST & WHINNEY, NEW YORK, N. Y. FOR SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

* = Comparable 1982 data not available

R = Revision



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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis) (1)

## THERMOSETTING RESINS

JULY 1983

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JULY | | | YEAR-TO-DATE | | | JULY | | | YEAR-TO-DATE | | |
| | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE |
| **UREA RESINS, TOTAL** | 92,835 | 87,918 | +5.6 | 672,819 | 560,904 | +20.0 | 92,884 | 89,981 | +3.2 | 676,420 | 575,290 | +17.6 |
| **MELAMINE RESINS, TOTAL** | 13,733 | 12,934 | +6.2 | 101,936 | 90,969 | +12.1 | 14,555 | 11,509 | +26.5 | 103,646 | 93,504 | +10.8 |
| **UREA & MELAMINE RESINS, TOTAL** | 106,568 | 100,852 | +5.7 | 774,755 | 651,873 | +18.9 | 107,439 | 101,490 | +5.9 | 780,066 | 668,794 | +16.6 |
| Total Exports | 1,321 | 1,687 | -21.7 | 12,019 | 10,032 | +19.8 | | | | | | |
| Total Domestic | 105,247 | 99,165 | +6.1 | 762,736 | 641,841 | +18.8 | | | | | | |
| Textile Treating & Coating Resins | D | D | | D | D | | D | D | | D | D | |
| Paper Treating & Coating Resins | 6,981 | 5,905 | +18.2 | 40,473 | 38,466 | +5.2 | 6,855 | 5,570 | +23.1 | 50,016 | 39,461 | +26.7 |
| Molding Compounds | 4,140 | 3,036 | +36.4 | 38,750 | 24,997 | +55.0 | 4,152 | 2,639 | +57.3 | 41,053 | 25,459 | +61.3 |
| Bonding & Adhesive Resins for: | 82,680 | 74,403 | +11.1 | 584,830 | 495,682 | +18.0 | 82,532 | 75,973 | +8.6 | 591,105 | 504,531 | +17.2 |
| Laminating | 3,305 | 2,151 | +53.6 | 23,040 | 16,708 | +37.9 | 3,307 | 2,236 | +47.9 | 23,063 | 17,229 | +33.9 |
| Plywood | 4,779 | 4,976 | -4.0 | 35,995 | 38,867 | -7.4 | 4,490 | 5,022 | -10.6 | 36,691 | 39,593 | -7.3 |
| Fibrous & Granulated Wood (Particle Board) | 74,596 | 67,276 | +10.9 | 525,795 | 440,107 | +19.5 | 74,735 | 68,715 | +8.8 | 531,351 | 447,709 | +18.7 |
| Protective Coatings *(Straight & Modified)* | 4,912 | 5,749 | -14.6 | 43,381 | 37,300 | +16.3 | 7,084 | 6,137 | +15.4 | 50,638 | 45,203 | +12.0 |
| All Other Uses *(Includes Textile Treating & Coating Resins)* | 6,534 | 10,072 | -35.1 | 55,302 | 45,396 | +21.8 | 6,816 | 11,171 | -39.0 | 47,254 | 54,140 | -12.7 |
| **PHENOLIC & OTHER TAR ACID RESINS, TOTAL** | 208,818 | 169,723 | +23.0 | 1,420,025R | 1,161,627 | +22.2 | 203,162 | 162,544 | +25.0 | 1,388,552R | 1,127,513 | +23.2 |
| Total Exports | 1,053 | 1,307 | -19.4 | 10,261 | 9,944 | +3.2 | | | | | | |
| Total Domestic | 207,765 | 168,416 | +23.4 | 1,409,764R | 1,151,683 | +22.4 | | | | | | |
| Molding Compounds | 15,686 | 12,800 | +22.5 | 130,039 | 108,695 | +19.6 | 16,139 | 10,771 | +49.8 | 147,387 | 113,538 | +29.8 |
| Bonding & Adhesive Resins for: | 188,087 | 152,638 | +23.2 | 1,251,530R | 1,019,270 | +22.8 | 183,458 | 148,790 | +23.3 | 1,212,762R | 988,732 | +22.7 |
| Laminating | 14,245 | 9,771 | +45.8 | 95,665 | 75,843 | +26.1 | 12,220 | 8,860 | +37.9 | 79,987 | 65,880 | +21.4 |
| Coated & Bonded Abrasives | 1,988 | 1,377 | +44.4 | 15,598R | 15,858 | -1.6 | 1,835 | 1,433 | +28.1 | 15,246R | 14,907 | +2.3 |
| Friction Materials | 2,098 | 2,152 | -2.5 | 17,325R | 15,780 | +9.8 | 1,912 | 2,020 | -5.3 | 17,000R | 16,021 | +6.1 |
| Insulation Materials | 26,508 | 26,881 | -1.4 | 184,909 | 185,827 | -0.5 | 25,710 | 25,720 | -0.0 | 174,340 | 175,856 | -0.9 |
| Foundry & Shell Molding | 4,619 | 4,064 | +13.7 | 34,684 | 34,168 | +1.5 | 4,745 | 4,036 | +17.6 | 35,480 | 35,115 | +1.0 |
| Plywood | 116,485 | 90,861 | +28.2 | 747,951 | 564,620 | +32.5 | 115,742 | 89,411 | +29.4 | 734,735 | 553,736 | +32.7 |
| Fibrous & Granulated Wood | 15,930 | 11,858 | +34.3 | 109,381 | 83,593 | +30.8 | 15,016 | 11,362 | +32.2 | 106,903 | 79,751 | +34.0 |
| Resins Sold to Rubber Industry | 1,677 | 1,865 | -10.1 | 14,575 | 13,052 | +11.7 | 1,837 | 1,748 | +5.1 | 15,915 | 13,631 | +16.8 |
| All Other | 4,537 | 3,809 | +19.1 | 31,442R | 30,529 | +3.0 | 4,441 | 4,200 | +5.7 | 33,156R | 33,835 | -2.0 |
| Protective Coatings – Unmodified & Modified | 1,395 | 1,542 | -9.5 | 10,995 | 10,642 | +3.3 | 1,134 | 1,708 | -33.6 | 11,325 | 11,398 | -0.6 |
| # Resins Sold to Rubber Industry, Non-Adhesive Uses | D | D | | D | D | | D | D | | D | D | |
| All Other Uses # | 2,597 | 1,436 | +80.8 | 17,200 | 13,076 | +31.5 | 2,431 | 1,275 | +90.7 | 17,078 | 13,845 | +23.4 |

(1) *Except phenolic resins which are reported on a gross weight basis.*

D = Disclosure
R = Revision

*# = Due to Disclosure Problem, All Other Uses Includes Resins Sold to Rubber Industry, Non-Adhesive Uses.*

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

## THERMOPLASTIC RESINS

JULY 1983

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JULY | | | YEAR-TO-DATE | | | JULY | | | YEAR-TO-DATE | | |
| | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE |
| LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL | 585,661 | 613,166 | -4.5 | 4,505,009 | 4,317,930 | +4.3 | 678,873 | 637,836 | +6.4 | 4,630,770R | 4,302,906 | +7.6 |
| Exports, Total | 81,356 | 103,878 | -21.7 | 543,155 | 677,136 | -19.8 | | | | | | |
| Domestic, Total | 504,305 | 509,288 | -1.0 | 3,961,854 | 3,640,794 | +8.8 | | | | | | |
| Film *(12 Mils & Below)* | 332,235 | 330,805 | +0.4 | 2,568,347 | 2,310,604 | +11.2 | | | | | | |
| Sheet *(Over 12 Mils)* | D(3) | D(3) | | D(3) | D(3) | | | | | | | |
| Injection Molding | 43,238 | 37,253 | +16.1 | 334,269 | 275,534 | +21.3 | | | | | | |
| Wire & Cable | 20,414 | 20,043 | +1.9 | 173,084 | 167,997 | +3.0 | | | | | | |
| Extrusion Coating | 40,946 | 41,097 | -0.4 | 322,325 | 313,680 | +2.8 | | | | | | |
| Blow Molding | 3,593 | 2,913 | +23.3 | 22,615 | 25,146 | -10.1 | | | | | | |
| Pipe & Conduit, Total | D(1) | D(1) | | D(1) | D(1) | | | | | | | |
| Corrugated Pipe & Conduit | D | D | | D | D | | | | | | | |
| Non-Corrugated Pipe & Conduit | D | D | | D | D | | | | | | | |
| Other Extruded Products | 8,058 | 3,349 | +140.6 | 41,439 | 25,784 | +60.7 | | | | | | |
| All Other Uses | 55,821 | 73,828 | -24.4 | 499,775 | 522,049 | -4.3 | | | | | | |
| HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL | 449,719 | 393,161 | +14.4 | 3,182,079 | 2,814,610 | +13.1 | 505,332 | 414,751 | +21.8 | 3,234,066R | 2,865,708 | +12.9 |
| Exports, Total | 106,378 | 57,599 | +84.7 | 579,331 | 347,871 | +66.5 | | | | | | |
| Domestic, Total | 343,341 | 335,562 | +2.3 | 2,602,748 | 2,466,739 | +5.5 | | | | | | |
| Film *(12 Mils & Below)* | 29,034 | 22,198 | +30.8 | 199,746 | 151,589 | +31.8 | | | | | | |
| Sheet *(Over 12 Mils)* | 4,522 | 5,151 | -12.2 | 42,146 | 35,949 | +17.2 | | | | | | |
| Injection Molding | 77,283 | 82,059 | -5.8 | 652,735 | 639,305 | +2.1 | | | | | | |
| Wire & Cable | 10,881 | 8,699 | +25.1 | 67,344 | 67,311 | +0.0 | | | | | | |
| Extrusion Coating | D(2) | D(2) | | D(2) | D(2) | | | | | | | |
| Blow Molding | 134,116 | 134,265 | -0.1 | 998,889 | 982,882 | +1.6 | | | | | | |
| Pipe & Conduit, Total | 41,950 | 31,617 | +32.7 | 259,455 | 219,244 | +18.3 | | | | | | |
| Corrugated Pipe & Conduit | 19,414 | * | | 111,337 | * | | | | | | | |
| Non-Corrugated Pipe & Conduit | 22,536 | * | | 148,118 | * | | | | | | | |
| Other Extruded Products | 2,484 | 2,763 | -10.1 | 21,713 | 23,621 | -8.1 | | | | | | |
| All Other Uses | 43,071 | 48,810 | -11.8 | 360,720 | 346,838 | +4.0 | | | | | | |

D = Disclosure
R = Revision

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* = Comparable 1982 data not available

(1) = Included in All Other Uses
(2) = Included in Other Extruded Products
(3) = Included in Film



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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

## THERMOPLASTIC RESINS

JULY 1983

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JULY | | | YEAR-TO-DATE | | | JULY | | | YEAR-TO-DATE | | |
| | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE |
| POLYPROPYLENE, TOTAL | 325,008 | 265,357 | +22.5 | 2,466,084R | 2,107,349 | +17.0 | 368,863 | 260,896 | +41.4 | 2,492,891R | 2,021,694 | +23.3 |
| Exports, Total | 70,611 | 46,784 | +50.9 | 459,893 | 422,788 | +8.8 | | | | | | |
| Domestic, Total | 254,397 | 218,573 | +16.4 | 2,006,191R | 1,684,561 | +19.1 | | | | | | |
| Injection Molding | 86,094 | 87,549 | -1.7 | 677,243R | 634,694 | +6.7 | | | | | | |
| Appliances | 5,998 | 5,229 | +14.7 | 51,566 | 41,901 | +23.1 | | | | | | |
| Consumer Products | 20,805 | 23,567 | -11.7 | 174,190 | 165,306 | +5.4 | | | | | | |
| Rigid Packaging | 24,267 | 22,494 | +7.9 | 208,610 | 163,407 | +27.7 | | | | | | |
| Transportation | 21,819 | 19,908 | +9.6 | 146,080 | 128,129 | +14.0 | | | | | | |
| All Other Injection Molding | 13,205 | 16,351 | -19.2 | 96,797R | 135,951 | -28.8 | | | | | | |
| Blow Molding | 6,778 | 5,039 | +34.5 | 44,713 | 38,644 | +15.7 | | | | | | |
| Containers | D | D | | D | D | | | | | | | |
| All Other Blow Molding | D | D | | D | D | | | | | | | |
| Film *(10 Mils & Below)* | 28,553 | 18,621 | +53.3 | 201,955 | 168,122 | +20.1 | | | | | | |
| Sheet *(Over 10 Mils)* | 1,652 | 1,831 | -9.8 | 15,058 | 10,701 | +40.7 | | | | | | |
| Extrusion Coating | D | D | | D | D | | | | | | | |
| Wire & Cable | D | D | | D | D | | | | | | | |
| Fiber & Filaments | 80,538 | 64,499 | +24.9 | 658,303R | 491,219 | +34.0 | | | | | | |
| Pipe & Conduit | D | D | | D | D | | | | | | | |
| Other Extruded Products # | 6,862 | 6,649 | +3.2 | 62,120 | 52,274 | +18.8 | | | | | | |
| Resellers & Compounders | 30,427 | * | | 247,900R | * | | | | | | | |
| All Other Uses | 13,493 | 34,385 | n.c. | 98,899 | 288,907 | n.c. | | | | | | |

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R = Revision

COMPILED BY ERNST & WHINNEY, NEW YORK, N.Y. FOR SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

*# = Includes Ext. Coating, Wire & Cable, Pipe & Conduit*

* = Comparable 1982 data not available

n.c. = Not comparable



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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

## THERMOPLASTIC RESINS

JULY 1983

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JULY | | | YEAR-TO-DATE | | | JULY | | | YEAR-TO-DATE | | |
| | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE |
| **ACRYLONITRILE-BUTADIENE-STYRENE *(ABS)* RESINS, TOTAL** | D | D | | D | D | | D | D | | D | D | |
| Total Exports | | | | | | | | | | | | |
| Total Domestic | | | | | | | | | | | | |
| Electrical & Electronic Uses | | | | | | | | | | | | |
| Pipe, Conduit & Fittings | | | | | | | | | | | | |
| Transportation | | | | | | | | | | | | |
| Consumer & Institutional | | | | | | | | | | | | |
| All Other Uses | | | | | | | | | | | | |
| **STYRENE-ACRYLONITRILE *(SAN)* RESINS, TOTAL** | 6,930 | 7,386 | -6.2 | 51,978 | 49,804 | +4.4 | 8,615 | 5,579 | +54.4 | 55,196 | 59,200 | -6.8 |
| Total Exports | 1,254 | 779 | +61.0 | 5,894 | 6,801 | -13.3 | | | | | | |
| Total Domestic | 5,676 | 6,607 | -14.1 | 46,084 | 43,003 | +7.2 | | | | | | |
| **OTHER STYRENE BASES POLYMERS, TOTAL** (3) *40% or more styrene* | 95,270 | 69,140 | +37.8 | 680,198R | 515,212 | +32.0 | 84,659 | 83,174 | +1.8 | 659,817R | 513,967 | +28.4 |
| Export, Total | 11,409 | 5,321 | +114.4 | 71,099R | 44,472 | +59.9 | | | | | | |
| Domestic, Total | 83,861 | 63,819 | +31.4 | 609,099R | 470,740 | +29.4 | | | | | | |
| Molding & Extrusion | 78,963 | * | | 573,336R | * | | | | | | | |
| Coatings | 4,898 | * | | 35,763 | * | | | | | | | |
| **POLYSTYRENE RESINS, TOTAL** | 263,445 | 258,939 | +1.7 | 2,026,902R | 1,855,020 | +9.3 | 284,267 | 274,551 | +3.5 | 1,980,084R | 1,843,174 | +7.4 |
| Straight Polystyrene | 135,547 | 136,207 | -0.5 | 1,050,124R | 955,000 | +10.0 | 146,852 | 144,293 | +1.8 | 1,034,695R | 966,412 | +7.1 |
| Rubber-Modified Polystyrene | 127,898 | 122,732 | +4.2 | 976,778R | 900,020 | +8.5 | 137,415 | 130,258 | +5.5 | 945,389R | 876,762 | +7.8 |
| Exports, Total | 7,426 | 6,409 | +15.9 | 48,548 | 59,626 | -18.6 | | | | | | |
| Straight Polystyrene | 3,719 | 2,474 | +50.3 | 24,472 | 32,137 | -23.9 | | | | | | |
| Rubber-Modified Polystyrene | 3,707 | 3,935 | -5.8 | 24,076 | 27,489 | -12.4 | | | | | | |
| Domestic, Total | 256,019 | 252,530 | +1.4 | 1,978,354R | 1,795,394 | +10.2 | | | | | | |
| Molding | 111,188 | 109,530 | +1.5 | 833,216R | 792,805 | +5.1 | | | | | | |
| Extrusion | 97,544 | 85,230 | +14.4 | 694,718R | 624,161 | +11.3 | | | | | | |
| Expandable Polystyrene Beads | 22,065 | 37,057 | -40.5 | 256,449 | 242,548 | +5.7 | | | | | | |
| All Other Uses | 25,222 | 20,713 | +21.8 | 193,971R | 135,880 | +42.8 | | | | | | |
| Polystyrene End uses, Total ** | 256,019 | 252,530 | +1.4 | 1,978,354R | 1,795,394 | +10.2 | | | | | | |
| Packaging | 65,024 | 90,065 | -27.8 | 494,536R | 604,441 | -18.2 | | | | | | |
| Disposables | 41,464 | * | | 270,451R | * | | | | | | | |
| Consumer and Institutional Products | 42,562 | 45,098 | -5.6 | 292,214R | 370,324 | -21.1 | | | | | | |
| Electrical/Electronics | 16,885 | 20,954 | -19.4 | 163,430R | 162,431 | +0.6 | | | | | | |
| Furniture, Furnishings, Building and Construction | 12,206 | 14,933 | -18.3 | 90,807 | 101,024 | -10.1 | | | | | | |
| Expandable Polystyrene Beads | 22,065 | 37,057 | -40.5 | 256,449 | 242,548 | +5.7 | | | | | | |
| All Other End Uses | 55,813 | 44,423 | +25.6 | 410,467R | 314,626 | +30.5 | | | | | | |



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(3) = Includes ABS

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* = Comparable 1982 data not available

** = *Portions of the End Use Section are Estimated.*

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

## THERMOPLASTIC RESINS

JULY 1983

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JULY | | | YEAR-TO-DATE | | | JULY | | | YEAR-TO-DATE | | |
| | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE |
| **STYRENE BUTADIENE LATEXES, TOTAL** *carboxylated, 45% styrene content and over.* | D | D | | D | D | | D | D | | D | D | |
| **OTHER STYRENE BASED, LATEXES, TOTAL** *50% or more styrene including butadiene latexes not carboxylated.* | D | D | | D | D | | D | D | | D | D | |
| **STYRENE BUTADIENE & OTHER STYRENE BASED LATEXES, TOTAL** *** | 51,978 | 38,786 | +34.0 | 384,245R | 285,892 | +34.4 | 52,121 | 35,944 | +45.0 | 396,329 | 286,392 | +38.4 |
| Paper Treating | 1,618 | 1,981 | -18.3 | 16,866 | 14,085 | +19.7 | | | | | | |
| Textile Treating | 1,008 | 686 | +46.9 | 10,475R | 8,127 | +28.9 | | | | | | |
| Carpet Backing | 20,544 | 15,488 | +32.6 | 163,312R | 111,052 | +47.1 | | | | | | |
| All Other Uses (Including Exports & Paper Coating) | 28,808 | 20,631 | +39.6 | 193,592R | 152,628 | +26.8 | | | | | | |
| **NYLON RESINS, TOTAL** | 25,807 | 20,341 | +26.9 | 178,397 | 151,680 | +17.6 | 23,445 | 20,393 | +15.0 | 169,169 | 140,083 | +20.8 |
| Total Exports | 2,569 | 1,952 | +31.6 | 12,908 | 11,133 | +15.9 | | | | | | |
| Total Domestic | 23,238 | 18,389 | +26.4 | 165,489 | 140,547 | +17.7 | | | | | | |
| Injection Molding Grade | 15,011 | 11,785 | +27.4 | 104,690 | 86,311 | +21.3 | | | | | | |
| Extrusion Grade | 6,208 | 5,264 | +17.9 | 48,416 | 41,817 | +15.8 | | | | | | |
| Resellers and Compounders | 1,628 | 1,147 | +41.9 | 9,077 | 9,263 | -2.0 | | | | | | |
| All Other Uses | 391 | 193 | +102.6 | 3,306 | 3,156 | +4.8 | | | | | | |

*** . *Old disclosure rules apply for Styrene Butadiene Section. One company cannot be greater than 50% and no two companies can be greater than 75%. For disclosure rules covering other materials see the back of the cover of the report.*

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R = Revision

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

## THERMOPLASTIC RESINS

JULY 1983

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JULY | | | YEAR-TO-DATE | | | JULY | | | YEAR-TO-DATE | | |
| | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE |
| **POLYVINYL CHLORIDE & COPOLYMERS** *(Dry Resin Content)*, **TOTAL** | 407,385 | 358,198 | +13.7 | 3,662,784R | 3,214,885 | +13.9 | 508,045 | 371,004 | +36.9 | 3,582,897 | 3,114,239 | +15.0 |
| Homopolymer Resins including Blending and Latex | 368,615 | 315,982 | +16.7 | 3,271,448R | 2,841,966 | +15.1 | 467,501 | 337,974 | +38.3 | 3,217,324 | 2,766,627 | +16.3 |
| Copolymer Resins including Blending and Latex | 15,555 | 18,645 | -16.6 | 161,000 | 177,403 | -9.2 | 14,486 | 16,998 | -14.8 | 154,219 | 160,317 | -3.8 |
| Dispersion Resins | 23,215 | 23,571 | -1.5 | 230,336 | 195,516 | +17.8 | 26,058 | 16,032 | +62.5 | 211,354 | 187,295 | +12.8 |
| Total Exports | 32,220 | 40,396 | -20.2 | 313,737 | 354,664 | -11.5 | | | | | | |
| Total Domestic | 375,165 | 317,802 | +18.0 | 3,349,047R | 2,860,221 | +17.1 | | | | | | |
| Calendering, Total | 35,673 | 36,921 | -3.4 | 407,228 | 339,692 | +19.9 | | | | | | |
| Flooring | 8,760 | 9,398 | -6.8 | 90,549 | 84,072 | +7.7 | | | | | | |
| Textile | 7,780 | 3,733 | +108.4 | 58,933 | 33,643 | +75.2 | | | | | | |
| All Other Calendering Uses | 19,133 | 23,790 | -19.6 | 257,746 | 221,977 | +16.1 | | | | | | |
| Coating, Total | 21,612 | 18,154 | +19.0 | 207,182 | 149,890 | +38.2 | | | | | | |
| Flooring | 8,763 | 6,456 | +35.7 | 88,962 | 51,475 | +72.8 | | | | | | |
| Textile & Paper Coating | 7,463 | 5,588 | +33.6 | 66,706R | 50,857 | +31.2 | | | | | | |
| Protective Coatings | 2,866 | 3,543 | -19.1 | 25,965 | 23,200 | +11.9 | | | | | | |
| Adhesives & All Other Coating Uses | 2,520 | 2,567 | -1.8 | 25,549R | 24,358 | +4.9 | | | | | | |
| Extrusion, Total | 253,258 | 210,197 | +20.5 | 2,105,874R | 1,855,680 | +13.5 | | | | | | |
| Wire & Cable | 17,143 | 20,104 | -14.7 | 198,530 | 186,727 | +6.3 | | | | | | |
| Film & Sheet | 20,674 | 16,863 | +22.6 | 178,172 | 184,578 | -3.5 | | | | | | |
| Rigid Pipe & Tubing *(Except Fittings)* | 176,417 | 135,165 | +30.5 | 1,404,934R | 1,207,612 | +16.3 | | | | | | |
| All Other Extrusions | 39,024 | 38,065 | +2.5 | 324,238R | 276,763 | +17.2 | | | | | | |
| Molding, Total | 27,905 | 22,115 | +26.2 | 240,645R | 200,372 | +20.1 | | | | | | |
| Bottles | 11,471 | 5,676 | +102.1 | 85,727 | 56,523 | +51.7 | | | | | | |
| Sound Records | 3,644 | 6,508 | -44.0 | 47,744R | 61,523 | -22.4 | | | | | | |
| Fittings *(Rigid Pipe & Tubing)* | 8,833 | 6,923 | +27.6 | 61,762 | 55,421 | +11.4 | | | | | | |
| All Other Molding | 3,957 | 3,008 | +31.5 | 45,412 | 26,905 | +68.8 | | | | | | |
| Paste Processes *(Except Coating)* | 10,430 | 11,477 | -9.1 | 97,898 | 100,293 | -2.4 | | | | | | |
| Plastisol Formulation | 6,600 | 5,607 | +17.7 | 56,709 | 46,723 | +21.4 | | | | | | |
| All Other | 3,830 | 5,870 | -34.8 | 41,189 | 53,570 | -23.1 | | | | | | |
| Resellers & Compounders | 12,435 | 7,710 | +61.3 | 118,875 | 85,944 | +38.3 | | | | | | |
| All Other Uses | 13,852 | 11,228 | +23.4 | 171,345 | 128,350 | +33.5 | | | | | | |

R = Revision

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

JULY 1983

## THERMOPLASTIC RESINS

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JULY | | | YEAR-TO-DATE | | | JULY | | | YEAR-TO-DATE | | |
| | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE | 1983 | 1982 | % CHANGE |
| **VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL** | 53,067 | 45,161 | +17.5 | 399,372R | 332,632 | +20.1 | | | | | | |
| Total Exports | 447 | 408 | +9.6 | 3,989 | 3,531 | +13.0 | | | | | | |
| Total Domestic | 52,620 | 44,753 | +17.6 | 395,383R | 329,101 | +20.1 | | | | | | |
| Emulsion Paints | 16,318 | 13,236 | +23.3 | 125,196R | 97,266 | +28.7 | | | | | | |
| Adhesives, Caulks and Sealants | 21,616 | 18,561 | +16.5 | 158,772R | 136,472 | +16.3 | | | | | | |
| Paper Treating & Paper Coating | 8,453 | 7,259 | +16.4 | 65,854R | 53,439 | +23.2 | | | | | | |
| Textile Treating | 2,189 | 1,387 | +57.8 | 13,185R | 10,824 | +21.8 | | | | | | |
| Non-Woven Binders | 2,369 | 2,362 | +0.3 | 18,107R | 15,157 | +19.5 | | | | | | |
| All Other Uses | 1,675 | 1,948 | -14.0 | 14,269R | 15,943 | -10.5 | | | | | | |
| **POLYVINYL ALCOHOL, TOTAL #** | 11,146 | D | | 78,493 | D | | 14,325 | D | | 74,380 | D | |
| Total Exports | 1,926 | D | | 13,394 | D | | | | | | | |
| Total Domestic | 9,220 | D | | 65,099 | D | | | | | | | |
| **OTHER VINYL RESINS*, TOTAL** | 13,537 | 14,129 | -4.2 | 97,535 | 102,072 | -4.4 | 13,331 | 13,913 | -4.2 | 114,156R | 108,286 | +5.4 |
| Total Exports | 2,798 | 3,366 | -16.9 | 21,653 | 22,160 | -2.3 | | | | | | |
| Total Domestic | 10,739 | 10,763 | -0.2 | 75,882 | 79,912 | -5.0 | | | | | | |
| **THERMOPLASTIC POLYESTER, TOTAL** | 64,405 | 52,723 | +22.2 | 427,608R | 368,795 | +15.9 | 70,100 | 54,156 | +29.4 | 429,308R | 390,738 | +9.9 |
| Total Exports | 8,656 | 3,858 | +124.4 | 49,778 | 26,769 | +86.0 | | | | | | |
| Total Domestic | 55,749 | 48,865 | +14.1 | 377,830R | 342,026 | +10.0 | | | | | | |
| PET Bottle Grades | 41,338 | 38,106 | +8.5 | 282,222 | 273,332 | +3.3 | | | | | | |
| All Other Thermoplastic Polyester** | 14,411 | 10,759 | +33.9 | 95,608R | 68,694 | +39.2 | | | | | | |

*Include only polyvinyl butyral, polyvinyl formal, and polyvinylidene chloride.*

** Includes All Other PET and All Injection Molding Grades.

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R = Revision
# = Includes imputed data

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COMPILED BY ERNST & WHINNEY, NEW YORK, N.Y. FOR SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

## MONTHLY STATISTICAL REPORT
## THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

### THERMOSETTING & THERMOPLASTIC RESINS

| RESIN CODING CLASSIFICATIONS | |
|---|---|
| EPOXY (UNMODIFIED) RESINS | EPOXY |
| POLYESTER ( UNSATURATED) RESINS | PY |
| UREA RESINS | UREA |
| MELAMINE RESINS | MELA |
| PHENOLIC & OTHER TAR ACID RESINS | PHEN |
| LOW DENSITY POLYETHYLENE 0.940 & BELOW | LDPE |
| HIGH-DENSITY POLYETHYLENE ABOVE 0.940 | HDPE |
| POLYPROPYLENE POLYMERS & COPOLYMERS | PP |
| ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS) | ABS |
| STYRENE-ACRYLONITRILE (SAN) | SAN |
| POLYSTYRENE RESINS | PS |
| STYRENE BUTADIENE LATEXES - carboxylated, 45% styrene content and over | SBL |
| OTHER STYRENE BASED LATEXES - over 50% styrene including styrene butadiene latexes not carboxylated | OTHER SBL |
| OTHER STYRENE BASED POLYMERS - over 40% styrene and used in molding and extrusion processes | OTHER SBP |
| NYLON RESINS | NYLON |
| POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT) | PVC |
| POLYVINYL ACETATE | PVAc |
| POLYVINYL ALCOHOL | PVOH |
| OTHER VINYL RESINS | OTHER VINYL |
| THERMOPLASTIC POLYESTER | TPY |

| REPORTING CLASSIFICATIONS | |
|---|---|
| CATEGORY | CODE |
| Production | P |
| Domestic Sales | D |
| Export Sales | E |

*Above Legends Refer to the Following List of Reporting Companies by Resin Category.*

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LIST OF REPORTING COMPANIES BY RESIN CATEGORY

| COMPANY | RESIN CATEGORY | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EPOXY | PY | UREA | MELA | PHEN | LDPE | HDPE | PP | ABS | SAN | PS | SBL | OTHER SBL | OTHER SBP | NYLON | PVC | PVAC | PVOH | OTHER VINYL | TPY |
| ACME RESINS | | | | | PDE | | | | | | | | | | | | | | | |
| ADVANCE COATINGS | | PD | | | | | | | | | | | | | | | | | | |
| A & E PLASTIK PAK | | | | | | | | | | | PDE | | | | | | | | | |
| AIR PRODUCTS & CHEMICALS | | | | | | | | | | | | | | | | PDE | DE | PDE | | |
| ALLIED CORPORATION | | | | | | | PDE | | | | | | | | PDE | | | | | |
| ALPHA CHEMICAL CORPORATION | | PDE | | | | | | | | | | | | | | | | | | |
| AMERICAN CYANAMID COMPANY | | | PDE | PDE | | | | | | | | | | | | | | | | |
| AMERICAN HOECHST CORP.- PLASTICS DIVISION | | | | | | | PDE | | | | PDE | | | | | | | | | |
| AMERICAN HOECHST CORP.- SOU-TEX DIVISION | | | | PD | | | | | | | | | | | | | | | | |
| AMETEK, HAVEG DIVISION | | | | | PD | | | | | | | | | | | | | | | |
| AMERICAN SYNTHETIC RUBBER | | | | | | | | | | | | PD | | | | | | | | |
| AMOCO CHEMICAL CORPORATION | | | | | | | PDE | PDE | | | PDE | | | | | | | | | |
| ANDERSON DEVELOPMENT CO. | | | | | | | | | | | | | | PD | | | | | | |
| ARCO CHEMICAL | | | | | | | PDE | PDE | | | PDE | | | PDE | | | | | | |
| ASHLAND CHEMICAL COMPANY | | PDE | | | PDE | | | | | | | | | | | | | | | |
| BADISCHE COMPANY | | | | | | | | | | | | | | | PD | | | | | |
| BASF WYANDOTTE | | | | | | | | | | | PD | | | | | | | | | |
| BELDING CHEMICAL INDUSTRIES | | | | | | | | | | | | | | | PD | | | | | |
| BENDIX CORPORATION | | | | | PD | | | | | | | | | | | | | | | |

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| COMPANY | RESIN CATEGORY | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EPOXY | PY | UREA | MELA | PHEN | LDPE | HDPE | PP | ABS | SAN | PS | SBL | OTHER SBL | OTHER SBP | NYLON | PVC | PVAC | PVOH | OTHER VINYL | TPY |
| BORDEN CHEMICAL COMPANY | | | PDE | PD | PDE | | | | | | | | | | | PDE | D | | | |
| BORG-WARNER CHEMICALS | | | | | | | | | PDE | | | | | | | | | | | |
| CARGILL, INC. | | PD | | | | | | | | | | | | | | | | | | |
| CELANESE CHEMICAL COMPANY | | | | | | | | | | | | | | | | | D | | | |
| CELANESE ENGINEERING RESINS | PDE | | PD | PD | | | | | | | | | | | PDE | | | | | PDE |
| CERTAIN-TEED PRODUCTS CORP. | | | | | | | | | | | | | | | | PD | | | | |
| CHEMBOND CORPORATION | | | PD | PD | PDE | | | | | | | | | | | | | | | |
| CHEMPLEX COMPANY | | | | | | PDE | PDE | | | | | | | | | | | | | |
| CIBA-GEIGY CORP. | PDE | | | | | | | | | | | | | | | | | | | |
| CONOCO CHEMICALS COMPANY | | | | | | | | | | | | | | | | PDE | | | | |
| COOK PAINT & VARNISH COMPANY | | PD | | | | | | | | | | | | | | | | | | |
| COSDEN OIL & CHEMICAL COMPANY | | | | | | | | | | | PDE | | | | | | | | | |
| CUSTOM RESINS, INC. | | | | | | | | | | | | | | | PD | | | | | |
| DAN RIVER, INC. | | | PD | PD | | | | | | | | | | | | | | | | |
| DOW CHEMICAL COMPANY | PDE | PDE | | | | PDE | PDE | | PDE | PDE | PDE | PD | PD | PDE | | | | | PDE | |
| E.I. DU PONT DE NEMOURS AND COMPANY | | | | | | PDE | PDE | | | | | | | PD | PDE | | DE | PDE | PDE | PDE |
| EASTMAN CHEMICAL COMPANY | | | | | | PDE | | PDE | | | | | | | | | | | | PDE |
| EL PASO CHEMICAL | | | | | | PDE | | PDE | | | | | | | | | | | | |

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## THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

### LIST OF REPORTING COMPANIES BY RESIN CATEGORY

| COMPANY | RESIN CATEGORY | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EPOXY | PY | UREA | MELA | PHEN | LDPE | HDPE | PP | ABS | SAN | PS | SBL | OTHER SBL | OTHER SBP | NYLON | PVC | PVAC | PVOH | OTHER VINYL | TPY |
| ETHYL CORPORATION | | | | | | | | | | | | | | | | PDE | | | | |
| EXXON CHEMICAL, USA | | | | | | PDE | DE | PDE | | | | | | | | | | | | |
| FORMICA CORPORATION | | | | PD | PD | | | | | | | | | | | | | | | |
| FORMOSA PLASTICS | | | | | | | | | | | | | | | | PD | | | | |
| FREEMAN CHEMICAL CORPORATION | | PD | | | | | | | | | | | | | | | | | | |
| H.B. FULLER COMPANY | | | | | | | | | | | | | | | | | DE | | | |
| GAF CORPORATION | | | | | | | | | | | | | | | | | | | | PDE |
| LAMINATING PRODUCTS DEPARTMENT GENERAL ELECTRIC COMPANY | | | | | PD | | | | | | | | | | | | | | | |
| PLASTICS DEPARTMENT GENERAL ELECTRIC COMPANY | | | | | | | | | | | | | | | | | | | | PDE |
| GENERAL TIRE & RUBBER | | | | | | | | | | | | PD | PD | | | PD | | | | |
| GEORGIA-PACIFIC CORPORATION | | | PDE | | PDE | | | | | | | | | | | PDE | | | | |
| GLIDDEN COATINGS AND RESINS DIV. OF SCM | | PD | | | | | | | | | | | | | | | | | | |
| B.F. GOODRICH CHEMICAL COMPANY | | | | | | | | | | PDE | | | | PDE | | PDE | | | PDE | |
| GOODYEAR CHEMICAL DIVISION | | | | | | | | | | | | PD | PD | PDE | | PDE | | | | PDE |
| DEWEY & ALMY DIVISION W.R. GRACE & COMPANY | | | | | | | | | | | | PD | PD | | | | D | | PDE | |
| GRIFFTEX CHEMICALS | | | PD | PD | | | | | | | | | | | | | | | | |
| GUARDSMAN CHEMICALS, INC | | | PD | | | | | | | | | | | | | | | | | |

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LIST OF REPORTING COMPANIES BY RESIN CATEGORY

| COMPANY | RESIN CATEGORY | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EPOXY | PY | UREA | MELA | PHEN | LDPE | HDPE | PP | ABS | SAN | PS | SBL | OTHER SBL | OTHER SBP | NYLON | PVC | PVAC | PVOH | OTHER VINYL | TPY |
| GULF OIL CHEMICALS COMPANY, INC. | | | | | | PDE | PDE | PDE | | | PDE | | | | | | | | | |
| HERCULES, INC. | | | | | | | PDE | PDE | | | | | | PDE | | | | | | |
| HOECHST FIBERS INDUSTRIES | | | | | | | | | | | | | | | | | | | | PDE |
| HUNTSMAN CHEMICAL CORPORATION | | | | | | | | | | | PD | | | | | | | | | |
| ICI AMERICAS | | PDE | | | | | | | | | | | | | | | | | | |
| INLAND STEEL CONTAINER | | | | | PD | | | | | | | | | | | | | | | |
| INMONT CORPORATION | | PD | | | PD | | | | | | | | | | | | | | | |
| INTERPLASTIC CORPORATION | | PD | | | | | | | | | | | | | | | | | | |
| IRONSIDES RESINS, INC. | | | | | PD | | | | | | | | | | | | | | | |
| KESCO CORPORATION | | | PD | | PDE | | | | | | | | | | | | | | | |
| KEYSOR-CENTURY CORPORATION | | | | | | | | | | | | | | | | PD | | | | |
| KOPPERS COMPANY | | PD | | | PDE | | | | | | | | | | | | | | | |
| MAPLECHEM, INC. | | | PD | PD | | | | | | | | | | | | | | | | |
| MASONITE CORPORATION | | | | | PD | | | | | | | | | | | | | | | |
| MOBIL CHEMICAL COMPANY | | | | | | PDE | | | | | PDE | | | | | | | | | |
| MONSANTO COMPANY | | | PDE | PDE | PDE | | | | PDE | PDE | PDE | | PD | PDE | PDE | | DE | PDE | PDE | |
| MORTON INDUSTRIES | PDE | | | | | | | | | | | | PD | | | | | | PDE | |



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| COMPANY | RESIN CATEGORY | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EPOXY | PY | UREA | MELA | PHEN | LDPE | HDPE | PP | ABS | SAN | PS | SBL | OTHER SBL | OTHER SBP | NYLON | PVC | PVAC | PVOH | OTHER VINYL | TPY |
| NATIONAL PETRO CHEMICALS | | | | | | | PD | | | | | | | | | | | | | |
| NATIONAL STARCH & CHEMICALS CORP | | | | | | | | | | | | | | | | | D | | | |
| NORTHERN PETROCHEMICAL | | | | | | PDE | | PDE | | | | | | | | | | | | |
| NYCOA CORPORATION OF AMERICA | | | | | | | | | | | | | | | PD | | | | | |
| OCCIDENTAL CHEMICAL CORP | | | | | PDE | | | | | | | | | | | PDE | | | | |
| OWENS-CORNING FIBERGLAS | | PDE | | PD | PD | | | | | | | | | | | | | | | |
| PERKINS INDUSTRIES, INC. | | | PD | | PD | | | | | | | | | | | | | | | |
| PERSTORP U.S., INC. | | | PDE | PD | | | | | | | | | | | | | | | | |
| PHILLIPS CHEMICAL COMPANY | | | | | | DE | PDE | PDE | | | | | | PDE | | | | | | |
| PIONEER PLASTICS | | PD | PD | PD | PD | | | | | | | | | | | | | | | |
| PLASLOK CORPORATION | | | | | PD | | | | | | | | | | | | | | | |
| PLASTICS ENGINEERING COMPANY | | | | | PDE | | | | | | | | | | | | | | | |
| PLASTICS MANUFACTURING CO. | | | PD | PD | | | | | | | | | | | | | | | | |
| POLYMER APPLICATION, INC. | | | | | PD | | | | | | | | | | | | | | | |
| POLYREZ COMPANY, INC. | | | | | PDE | | | | | | | | | | | | | | | |
| POLYSAR LIMITED | | | | | | | | | | | | PD | | | | | | | | |
| POLYSAR, INC. | | | | | | | | | | | PDE | | | | | | | | | |
| PPG INDUSTRIES, INC. | | PD | | | | | | | | | | | | | | | | | | |
| RAYBESTOS DIVISION | | | | | PD | | | | | | | | | | | | | | | |
| REICHHOLD CHEMICALS, INC. | PDE | PDE | PDE | PDE | PDE | | | | | | | PD | | | | | D | | | |

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| COMPANY | RESIN CATEGORY | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EPOXY | PY | UREA | MELA | PHEN | LDPE | HDPE | PP | ABS | SAN | PS | SBL | OTHER SBL | OTHER SBP | NYLON | PVC | PVAC | PVOH | OTHER VINYL | TPY |
| RILSAN CORPORATION | | | | | | | | | | | | | | | PDE | | | | | |
| ROGERS CORPORATION | | | | | PDE | | | | | | | | | | | | | | | |
| ROHM AND HAAS COMPANY | | | | | | | | | | | | | | PDE | | | D | | PDE | PD |
| SHAKESPEARE COMPANY | | | | | | | | | | | | | | | PD | | | | | |
| SHELL CHEMICAL COMPANY | PDE | DE | | | | | | PDE | | | | | | | | | | | | |
| SHERWIN-WILLIAMS | | PD | | | | | | | | | | | | | | | | | | |
| SHINTECH, INC | | | | | | | | | | | | | | | | PDE | | | | |
| SOHIO CHEMICAL CO | | PDE | | | | | | | | | | | | | | | | | | |
| SOLTEX POLYMERS | | | | | | | PDE | PDE | | | | | | | | | | | | |
| TENNECO CHEMICALS, INC. | | | | | | | | | | | | | | | | PDE | | | | |
| TEXSTYRENE PLASTICS | | | | | | | | | | | PD | | | | | | | | | |
| UNION CARBIDE CORPORATION | PDE | | | | PDE | PDE | PDE | | | | | | | | | | PDE | | | |
| UNION CHEMICAL | | | | | | | | | | | | PD | | | | | D | | PD | |
| UNIROYAL CHEMICAL | | | | | PDE | | | | | | | | | | | | | | | |
| U.S. INDUSTRIAL CHEMICAL | | | | | | PDE | DE | | | | | | | | | | D | | | |
| USS CHEMICALS | | PDE | | | | | | PDE | | | | | | | | | | | | |
| VALCHEM: DIVISION OF UNITED MERCHANTS, INC. | | | PD | | | | | | | | | | | | | | | | | |
| VALITE DIVISION OF VALENTINE SUGARS, INC. | | | | | PD | | | | | | | | | | | | | | | |
| VITITEK | | | | | | | | | | | PD | | | | | | | | | |

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LIST OF REPORTING COMPANIES BY RESIN CATEGORY

| COMPANY | RESIN CATEGORY | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EPOXY | PY | UREA | MELA | PHEN | LDPE | HDPE | PP | ABS | SAN | PS | SBL | OTHER SBL | OTHER SBP | NYLON | PVC | PVAC | PVOH | OTHER VINYL | TPY |
| WELLMAN, INC. | | | | | | | | | | | | | | | PDE | | | | | |
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| TOTAL 107 | 7 | 20 | 17 | 15 | 30 | 12 | 15 | 12 | 3 | 3 | 15 | 8 | 6 | 10 | 11 | 14 | 13 | 3 | 8 | 8 |